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NPIC/TSSG/DED-1604-69

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT: Proposed Contract with [ ] for Design and  
Fabrication of Two Specialized Eyepieces for a [ ]  
[ ] High Power Stereoviewer at a Cost [ ]

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1. This memorandum requests approval for the commitment of funds for a contract. The specific request is stated in Paragraph 8.

2. The proposed project is for the design and fabrication of a set of specialized eyepieces for the [ ] High Power Stereoviewer. This set will consist of a filar (measuring) eyepiece and a companion (non-measuring) eyepiece. Filar eyepieces are used to measure small images on film. A filar eyepiece is longer than other eyepieces because of the filar mechanism required for mensuration. As a consequence, a companion eyepiece is needed to provide a matched pair of the same length. Our current measuring eyepieces are off-the-shelf items; however, they produce 15X magnification. This magnification is excessive and greatly reduces the field of view. The new filar will produce 7X magnification and, as a consequence, will permit the viewing and measuring of imagery without the field of view restrictions caused by 15X filar. A wider field of view is normally very desirable because the photo interpreter needs contextual information, peripheral to the object being measured. The new 7X filar will almost double the field of view.

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3. This project was originally requested by the Imagery Analysis Service in their memorandum IAS/TS-58/68. The Imagery Exploitation Group in a speed letter dated 18 March 1969, concurred with the desirability of developing these eyepieces.

4. The Contracting Officer will be requested to negotiate this contract in a single phase: the design and fabrication of a prototype eyepiece set. The total time anticipated for fabrication and delivery of the prototype instruments is seven months from the contract date.

5. The Office of Logistics requested proposals from eleven companies recommended by the Project Officer, and the two responses were jointly evaluated. [ ] was selected because this company submitted technical and cost proposals that were judged by the Development and Engineering Division Staff to be most satisfactory.

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6. Because this project is within the current optical state-of-the-art, the technical risk on successfully completing this effort is at a minimum. It is expected that [ ] will successfully complete the development with a minimum of changes necessary to proceed from the prototype to production units. Conceivably, more than 100 units could eventually be produced because there are presently 100 15X Pilar Eyepieces requiring replacement.

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7. The Agency association with this project is classified Confidential, but the work and title will be Unclassified. The Project Officer will assign security classifications to the reports.

8. It is requested that the negotiation with [ ] for a contract to conduct the program described at a cost not to exceed [ ] be approved.

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[ ]  
Chief, Technical Services & Support Group,  
NPIC

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Attachment:

[ ] Proposal

APPROVED:

ARTHUR C. LUEDAEL  
Director

National Photographic Interpretation Center

9 MAY 1969

Date

Distribution:

- Original - NPIC/TSSG/SSD/LB (After approval)
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